Ap1400 Thermal Panel Printer

Panel printing in a small form factor yet with 12 meters of paper to minimise maintenance time.

Featuring a unique Touch Activated Loading system.

- USB 2.0 full speed (12Mbps), RS232 (up to 115200 baud)
- 10k byte buffer for best ever host equipment compatibility
- 12m of print per paper roll – making paper changes less frequent
- Robust yet stylish design that is suitable for vertical or horizontal mounting with multiple mounting methods
- Different power and colour options available
- Windows / LINUX drivers and kits including common accessories available for easy design-in
- Both 'head up' and 'paper out' sensors that provide increased usability via expanded error reporting.

Typical applications include: fire & security panels, autoclaves, medical equipment, mobile messaging equipment, taxi meters, timing and telemetry systems, data logging, vehicle based delivery systems and many others.

The Ap1400 carries CE approval..
Design registration applied for. Patent pending.

www.powertoprint.com

Ap1400 Thermal Panel Printer

Specification	Ap1400
Data Input	USB 2.0 Full-speed, RS-232 Serial
Print Method	Fixed head thermal mechanism
Print Speed	Up to 80mm/s
Paper Specification	Paper Roll Width: 57.5 ± 0.5mm. Max roll diameter: 36mm (approx. length: 12 metres) Accepts paper rolls with or without a core.
Print Width	48 mm
Dots per line (graphics)	384
Dot spacing	8 dots/mm (vertical and horizontal)
Sensors	Paper Out (Opto-reflective) and Head Up (Mechanical)
Data Buffer	10 KB (10240 Bytes)
Power Supply	3.5Vdc to 8.5Vdc at 2A typical, 6A peak. 9-36Vdc input Optional.
Sleep Mode	Software configurable
Baud Rate	Up to 115,200 Baud (9600 Default)
Character Set	IBM® 224 character set, CP437. (See note 1)
Number of columns	12, 16, 21, 24, 42, 32 (Default). (See note 1)
Font (dots)	8x 16, 7 x 24, 10 x 24 (Default). (See note 1)
Dimensions	80 x 83 x 52mm (H x W x D)
Panel Cut Dimensions	75 x 75 mm (W x D)
Depth Behind Panel	31mm Maximum
Weight	500g
Add-on Modules	Ap1400V : Module for extended 9V to 36Vdc input range Ap1400TTL: Module with Serial TTL and USB2,0 Interfaces Ap1400P: Module with Centronics Parallel Interface Ap1400RTC: Module with Real-Time Clock Module
Support Software	Win98, WinME, WinNT, Win2k, WinXP, Win Vista, Windows 7 (32-bit), Windows CE, Windows mobile, Linux and Blackberry. Download: www.powertoprint.com
Temperature Range (operating)	0 - 50°C
Reliability - MCBF	10^8 print pulses or 50kms. >13 million print lines (Approx. 3,500 paper rolls).

Note 1: The proprietary Font Editor Utility software (order code Ap1400FEU) enables customisation of character fonts by the user.

Please note that for low volume purchases, the Ap1400 printers are available only in kit form as follows:

Ap1400KIT: Kit: comprising an Ap1400 printer, a mounting bracket and fixings, a RS232 cable, a RS232 D9 cable, a USB cable, 2 paper rolls and a power connection cable.

Ap1400KITPSU: Power Supply Kit: All contents of above Ap1400KIT with the addition of a 100-240VAC mains adaptor.

Other products available from Able Systems include:

Portable printers

Panel mounting printers

Kiosk printers

In-vehicle printers

Printer mechanisms & interfaces

Accessories

Consumables